This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. - 52. (Canceled)

53. (Currently Amended) A 3,16-Dihydroxyestra-1,3,5(10)-triene compound of formula I:

in which radicals R¹ to R¹⁷, independently of one another, have the following meanings:

- R¹ is a halogen atom, a hydroxyl group, a methyl group, a trifluoromethyl group, a methoxy group, an ethoxy group or a hydrogen atom;
- R² is a halogen atom, a hydroxyl group, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms or a hydrogen atom;
- R⁴ is a halogen atom, a straight-chain or branched-chain, saturated or unsaturated alkyl group with 1 to 10 carbon atoms, a trifluoromethyl or pentafluoroethyl group, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms or a hydrogen atom;

 R^7 is a halogen atom in α - or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon

atoms, an optionally substituted aryl or heteroaryl radical or a hydrogen atom;

- R⁸ is a hydrogen atom in α or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α or β -position or a cyano group in α or β -position;
- R^9 is a hydrogen atom in α- or β-position, a methyl, ethyl, trifluoromethyl or pentafluoroethyl group in α- or β-position;
- R¹¹ is a nitrooxy group in α- or β-position, a hydroxyl or mercapto group in α- or β-position, a halogen atom in α- or β-position, a chloromethyl group in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated alkoxy or alkylthio group with 1 to 6 carbon atoms, an optionally substituted aryl or heteroaryl radical or a hydrogen atom;
- R^{13} is a methyl, ethyl, trifluoromethyl or pentafluoroethyl group in β -position; and either
- R^{14} is a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α or β -position or a hydrogen atom in α or β -position

and

R¹⁵ is a halogen atom in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position that can be interrupted by one or more oxygen atoms, sulfur atoms, sulfoxide or sulfone groups or imino groups = NR¹⁵ wherein R¹⁵ = hydrogen atom, methyl, ethyl, propyl, i-propyl; or a hydrogen atom

or

 R^{14} and R^{15} together is a $14\alpha,15\alpha$ -methylene or $14\beta,15\beta$ -methylene group that are optionally substituted with one or two halogen atoms;

 R^{16} is a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated, alkyl group with 1 to 10 carbon atoms in α - or β -position, a trifluoromethyl or pentafluoroethyl group, a cyanomethyl group or a hydrogen atom in α - or β -position;

 R^{17} is a fluoro atom in α - or β -position, a straight-chain or branched-chain, saturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α - or β -position or a hydrogen atom,

and

the wavy lines mean the arrangement of the respective substituent in α - or β -position,

excluding the compounds estra-1,3,5(10)-triene-3,16 α -diol, and estra-1,3,5(10)-triene-3,16 β -diol, 16 β -ethinylestra-1,3,5(10)-triene-3,16 α -diol and 16 α -ethinylestra-1,3,5(10)-triene-3,16 β -diol.

54. (Currently Amended) A compound according to claim 53, in which radicals R^1 to R^{17} , independently of one another, have the following meanings

- R¹ is a fluorine atom, a hydroxyl group, a methyl group, a trifluoromethyl group, a methoxy group, an ethoxy group or a hydrogen atom;
- R² is a fluorine atom, a hydroxyl group, a methoxy or ethoxy group or a hydrogen atom;
- R⁴ is a fluorine atom, a methyl, ethyl, trifluoromethyl, methoxy or ethoxy group or a hydrogen atom;
- R^7 is a fluorine atom in α or β -position, a methyl, ethyl, propyl or i-propyl group in α or β -position, an optionally substituted aryl radical, a trifluoromethyl group in α or β -position or a hydrogen atom;
- R^8 is a hydrogen atom in α or β -position, a methyl or ethyl group in α or β -position;
- R^9 is a hydrogen atom in α- or β-position, a methyl, ethyl, trifluoromethyl or pentafluoroethyl group in α- or β-position;
- R¹¹ is a nitrooxy group in α or β -position, a hydroxyl group in α or β -position, a fluorine atom in α or β -position, a choromethyl group in α or β -position, a methyl group in α or β -position, a methoxy group in α or β -position, a phenyl- or 3-methylthien-2-yl radical in α or β -position or a hydrogen atom;
- R^{13} is a methyl or ethyl group in β -position;

and either

- R^{14} is a hydrogen atom in α or β -position or a methyl group in α or β -position and
- R^{15} is a fluorine atom in α or β -position, a methyl group in α or β -position, or a hydrogen atom,

or

 R^{14} and R^{15} together mean a $14\alpha,15\alpha$ -methylene group or a $14\beta,15\beta$ -methylene group,

R¹⁶ means a methyl, ethyl, ethinyl, propinyl or trifluoromethyl group;

 R^{17} means a fluorine atom in α - or β -position, a methyl group, or a hydrogen atom.

- 55. (Previously presented) A compound of formula I according to claim 53, in which
 - R^7 means a halogen atom in α or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α or β -position, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms, or an optionally substituted aryl or heteroaryl radical

and

 R^1 , R^2 , R^4 , R^8 , R^9 , R^{11} , R^{14} , R^{15} , R^{16} and R^{17} in each case are a hydrogen atom.

- 56. (Previously presented) A compound of formula I according to claim 53, in which
 - R¹¹ is a nitrooxy group in α- or β-position, a hydroxyl or mercapto group in α- or β-position, a halogen atom in α- or β-position, a chloromethyl group in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated alkoxy or alkylthio group with 1 to 6 carbon atoms, or an optionally substituted aryl or heteroaryl radical, and

R¹, R², R⁴, R⁷, R⁸, R⁹, R¹⁴, R¹⁵, R¹⁶ and R¹⁷ in each case are a hydrogen atom.

- 57. (Previously presented) A compound of formula I according to claim 53, in which
 - R^{15} is a halogen atom in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position that can be interrupted by one or more oxygen atoms, sulfur atoms, sulfoxide or sulfone groups or imino groups = NR^{15} ' (R^{15} ' = hydrogen atom, methyl, ethyl, propyl, **i**-propyl), and R^{1} , R^{2} , R^{4} , R^{7} , R^{8} , R^{9} , R^{11} , R^{14} , R^{16} and R^{17} in each case are a hydrogen atom.
- **58.** (Previously presented) A compound of formula I according to claim 53, in which
 - R^7 is a halogen atom in α or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α or β -position, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms or an optionally substituted aryl or heteroaryl radical,
 - R¹¹ is a nitrooxy group in α or β -position, a hydroxyl or mercapto group in α or β -position, a halogen atom in α or β -position, a chloromethyl group in α or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α or β -position, a straight-chain or branched-chain, saturated or unsaturated alkoxy or alkylthio group with 1 to 6 carbon atoms or an optionally substituted aryl or heteroaryl radical, and

 R^1 , R^2 , R^4 , R^8 , R^9 , R^{14} , R^{15} , R^{16} and R^{17} in each case are a hydrogen atom.

- **59.** (Previously presented) Compounds of general formula I according to claim 53, in which
 - R^7 is a halogen atom in α or β -position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α or β -position, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms or an optionally substituted aryl or heteroaryl radical,
 - R^{15} is a halogen atom in α- or β-position or a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position that can be interrupted by one or more oxygen atoms, sulfur atoms, sulfoxide or sulfone groups or imino groups = NR^{15} (R^{15} = hydrogen atom, methyl, ethyl, propyl, i-propyl), and R^{1} , R^{2} , R^{4} , R^{8} , R^{9} , R^{11} , R^{14} , R^{16} and R^{17} in each case are a hydrogen atom.
- 60. (Previously presented) A compound of formula I according to claim 53, in which
 - R¹¹ is a nitrooxy group in α- or β-position, a hydroxy or mercapto group in α- or β-position, a halogen atom in α- or β-position, a chloromethyl group in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated alkoxy or alkylthio group with 1 to 6 carbon atoms or an optionally substituted aryl or heteroaryl radical,

 R^{15} is a halogen atom in α- or β-position or a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position that can be interrupted by one or more oxygen atoms, sulfur atoms, sulfoxide or sulfone groups or imino groups = NR^{15} (R^{15} = hydrogen atom, methyl, ethyl, propyl, i-propyl), and

R¹, R², R⁴, R⁷, R⁸, R⁹, R¹⁴, R¹⁶, and R¹⁷ in each case are a hydrogen atom.

- 61. (Previously presented)

 A compound of formula I according to claim 53, in which
 - R^7 is a halogen atom in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated alkoxy group with 1 to 6 carbon atoms or an optionally substituted aryl or heteroaryl radical,
 - R¹¹ is a nitrooxy group in α- or β-position, a hydroxyl or mercapto group in α- or β-position, a halogen atom in α- or β-position, a chloromethyl group in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl group with 1 to 10 carbon atoms in α- or β-position, a straight-chain or branched-chain, saturated or unsaturated alkoxy or alkylthio group with 1 to 6 carbon atoms or an optionally substituted aryl or heteroaryl radical,
 - R^{15} is a halogen atom in α or β -position, or a straight-chain or branched-chain, saturated or unsaturated, optionally partially or completely fluorinated alkyl

group with 1 to 10 carbon atoms in α - or β -position that can be interrupted by one or more oxygen atoms, sulfur atoms, sulfoxide or sulfone groups or imino groups = NR¹⁵' (R¹⁵' = hydrogen atom, methyl, ethyl, propyl, i-propyl), and R¹, R², R⁴, R⁸, R⁹, R¹⁴, R¹⁶ and R¹⁷ in each case are a hydrogen atom.

- 62. (Previously presented) A compound according to claims 53, wherein one or both hydroxyl groups is (are) esterified at C atoms 3 and 16 with an aliphatic or aromatic carboxylic acid or with an α or β -amino acid.
- 63. (Currently Amended) A compound according to claim 53, which compound is:

14α,15α-methylen-estra-1,3,5(10)-triene-3,16α -diol,
14β,15β-methylen-estra-1,3,5(10)-triene-3,16α-diol,
7α-fluoro-estra-1,3,5(10)-triene-3,16α -diol,
11β-methoxy-estra-1,3,5(10)-triene-3,16α-diol,
7α-methyl-estra-1,3,5(10)-triene-3,16α-diol,
11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol,
8α-estra-1,3,5(10)-triene-3,16α-diol,
estra-1,3,5(10)-triene-2,3,16α-triol,
17β-fluoro-estra-1,3,5(10)-triene-3,16α-diol,
18a-homo-estra-1,3,5(10)-triene-3,16α-diol,
18a-homo-14α,15α-methylen-estra-1,3,5(10)-triene-3,16β-diol,
14α,15α-methylen-estra-1,3,5(10)-triene-3,16β-diol,

 7α -fluoro-estra-1,3,5(10)-triene-3,16 β -diol,

11 β -methoxy-estra-1,3,5(10)-triene-3,16 β -diol,

 7α -methyl-estra-1,3,5(10)-triene-3,16 β -diol,

11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol,

 8α -estra-1,3,5(10)-triene-3,16 β -diol,

estra-1,3,5(10)-triene-2,3,16 α -triol,

17β-fluoro-estra-1,3,5(10)-triene-3,16β-diol,

18a-homo-estra-1,3,5(10)-triene-3,16β-diol,

18a-homo-14,15 -methylen-estra-1,3,5(10)-triene-3,16β-diol,

 7α -ethyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7α -propyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7α -i-propyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7α -i-propenyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7α -methoxy-estra-1,3,5(10)-triene-3,16 α -diol

 7α -thiomethyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7α -cyanomethyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7β -ethyl-estra-1,3,5(10)-triene-3,16α-diol,

7 β -propyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7β -i-propyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7β -i-propenyl-estra-1,3,5(10)-triene-3,16α-diol,

 7β -phenyl-estra-1,3,5(10)-triene-3,16 α -diol,

 7β -methoxy-estra-1,3,5(10)-triene-3,16α-diol,

 7β -thiomethyl-estra-1,3,5(10)-triene-3,16α-diol,

 7β -cyanomethyl-estra-1,3,5(10)-triene-3,16α-diol, 7α -ethyl-estra-1,3,5(10)-triene-3,16 β -diol, 7α -propyl-estra-1,3,5(10)-triene-3,16 β -diol, 7α -i-propyl-estra-1,3,5(10)-triene-3,16 β -diol, 7α -i-propenyl-estra-1,3,5(10)-triene-3,16 β -diol, 7α -phenyl-estra-1,3,5(10)-triene-3,16 β -diol, 7α -methoxy-estra-1,3,5(10)-triene-3,16 β -diol, 7α -thiomethyl-estra-1,3,5(10)-triene-3,16 β -diol, 7α -cyanomethyl-estra-1,3,5(10)-triene-3,16 β -diol, 7β -ethyl-estra-1,3,5(10)-triene-3,16 β -diol, 7β -propyl-estra-1,3,5(10)-triene-3,16β-diol, 7β -i-propyl-estra-1,3,5(10)-triene-3,16 β -diol, 7β -i-propenyl-estra-1,3,5(10)-triene-3,16 β -diol, 7β -phenyl-estra-1,3,5(10)-triene-3,16β-diol, 7β -methoxy-estra-1,3,5(10)-triene-3,16β-diol, 7β-thiomethyl-estra-1,3,5(10)-triene-3,16β-diol, 7β-cyanomethyl-estra-1,3,5(10)-triene-3,16β-diol, 15α -methyl-estra-1,3,5(10)-triene-3,16 α -diol, 15α -ethyl-estra-1,3,5(10)-triene-3,16 α -diol, 15α -propyl-estra-1,3,5(10)-triene-3,16 α -diol, 15α -allyl-estra-1,3,5(10)-triene-3,16 α -diol, 15α -i-propyl-estra-1,3,5(10)-triene-3,16 α -diol, 15α -i-propenyl-estra-1,3,5(10)-triene-3,16 α -diol, 15α -methoxy-estra-1,3,5(10)-triene-3,16 α -diol,

 15α -thiomethyl-estra-1,3,5(10)-triene-3,16 α -diol, 15α -methyl-estra-1,3,5(10)-triene-3,16 β -diol, 15α -ethyl-estra-1,3,5(10)-triene-3,16 β -diol, 15α -propyl-estra-1,3,5(10)-triene-3,16 β -diol, 15α -allyl-estra-1,3,5(10)-triene-3,16β-diol, 15α -i-propyl-estra-1,3,5(10)-triene-3,16β-diol, 15α -i-propenyl-estra-1,3,5(10)-triene-3,16 β -diol, 15α -methoxy-estra-1,3,5(10)-triene-3,16 β -diol, 15α -thiomethyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-methyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-ethyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-propyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-allyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-i-propyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-i-propenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-methoxy-estra-1,3,5(10)-triene-3,16α-diol, 15β-thiomethyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-methyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-ethyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-propyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-allyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-i-propyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-i-propenyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-methoxy-estra-1,3,5(10)-triene-3,16β-diol,

15β-thiomethyl-estra-1,3,5(10)-triene-3,16β-diol, 7α -trifluoromethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -pentafluoroethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -ethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -propyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -i-propyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -i-propenyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -phenyl-11 β -Fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -methoxy-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -thiomethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -cyanomethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7 β -ethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7 β -propyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7 β -i-propyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7 β -i-propenyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7 β -phenyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7β -methoxy-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7 β -thiomethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7 β -cyanomethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -ethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7α -propyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7α -i-propyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7α -i-propenyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7α -phenyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol,

7α-methoxy-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 7α -thiomethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7α -cyanomethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7β -ethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7β -propyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7β-i-propyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 7β -i-propenyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7β -phenyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7β-methoxy-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 7β -thiomethyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 7β-cyanomethyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15α -methyl- 11β -fluoro-estra-1,3,5(10)-triene- $3,16\alpha$ -diol, 15α -ethyl- 11β -fluoro-estra-1,3,5(10)-triene- $3,16\alpha$ -diol, 15α -propyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15α -allyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15α -i-propyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15α-i-propenyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15α-methoxy-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15α -thiomethyl- 11β -fluoro-estra-1,3,5(10)-triene- $3,16\alpha$ -diol, 15α -methyl- 11β -fluoro-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15α -ethyl- 11β -fluoro-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15α -propyl-11 β -fluoro-estra-1,3,5(10)-triene-3,16 β -diol, 15α -allyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15α -i-propyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol,

 15α -i-propenyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15α -methoxy- 11β -fluoro-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15α -thiomethyl- 11β -fluoro-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15β-methyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15β-ethyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15β-propyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15β-allyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15β-i-propyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15β-i-propenyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15β-methoxy-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15β-thiomethyl-11β-fluoro-estra-1,3,5(10)-triene-3,16α-diol, 15β-methyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15β-ethyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15β-propyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15β -allyl- 11β -fluoro-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15β-i-propyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15β-i-propenyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15β-methoxy-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 15β-thiomethyl-11β-fluoro-estra-1,3,5(10)-triene-3,16β-diol, 14α , 15α -methylene- 7α -phenyl-estra-1, 3, 5(10)-triene-3, 16α -diol, 14 β ,15 β -methylene-7 α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol, 11 β -methoxy-7 α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol, 11 β -fluoro-7 α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol, 7α -phenyl- 8α -estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 7α -phenyl-estra-1,3,5(10)-triene-2,3,16 α -triol,

17β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol,

18a-homo-7 α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol,

18a-homo-14 α ,15 α -methylene-7 α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol,

 14α , 15α -methylene- 7α -phenyl-estra-1, 3, 5(10)-triene-3, 16β -diol,

14β,15β-methylene-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,

11 β -methoxy-7 α -phenyl-estra-1,3,5(10)-triene-3,16 β -diol,

11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,

 7α -phenyl- 8α -estra-1,3,5(10)-triene- $3,16\beta$ -diol,

 7α -phenyl-estra-1,3,5(10)-triene-2,3,16 α -triol,

 17β -fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,

18a-homo-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,

18a-homo-14 α ,15 α -methylene-7 α -phenyl-estra-1,3,5(10)-triene-3,16 β -diol,

 15α -methyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 15α -ethyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 15α -propyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 15α -allyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 15α -i-propyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 15α -i-propenyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 15α -methoxy- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 15α -thiomethyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol,

 15α -methyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol,

 15α -ethyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol,

 15α -propyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol,

 15α -allyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15α -i-propyl- 7α -phenyl-estra-1,3,5(10)-triene-3,16 β -diol, 15α -i-propenyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15α -methoxy- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15α -thiomethyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15β-methyl-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-ethyl-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-propyl-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-allyl-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-i-propyl-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-i-propenyl-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-methoxy-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15 β -thiomethyl-7 α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol, 15β-methyl-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-ethyl-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15β -propyl- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15β-allyl-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-i-propyl-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-i-propenyl-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15 β -methoxy-7 α -phenyl-estra-1,3,5(10)-triene-3,16 β -diol, 15β-thiomethyl-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15α-methyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15α-ethyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15α-propyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol,

 15α -allyl- 11β -fluoro- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol, 15α-i-propyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15α -i-propenyl- 11β -fluoro- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol, 15α -methoxy- 11β -fluoro- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\alpha$ -diol, 15 α -thiomethyl-11 β -fluoro-7 α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol, 15α-methyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15α-ethyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15α-propyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15α -allyl- 11β -fluoro- 7α -phenyl-estra-1,3,5(10)-triene- $3,16\beta$ -diol, 15α-i-propyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15α-i-propenyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15α-methoxy-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15α-thiomethyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-methyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-ethyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-propyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-allyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-i-propyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15 β -i-propenyl-11 β -fluoro-7 α -phenyl-estra-1,3,5(10)-triene-3,16 α -diol, 15β-methoxy-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-thiomethyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16α-diol, 15β-methyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-ethyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol, 15β-propyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,

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15β-allyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,
15β-i-propyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,
15β-i-propenyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,
15β-methoxy-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,
15β-thiomethyl-11β-fluoro-7α-phenyl-estra-1,3,5(10)-triene-3,16β-diol,
11\beta-[2-(3-methylthien)-yl)-estra-1,3,5(10)-triene-3,16\alpha-diol,
11\beta-[2-(3-methylthien)-yl)-estra-1,3,5(10)-triene-3,16\beta-diol,
13\alpha estra-1,3,5(10) triene-3,16\alpha-diol,
13\alpha-estra-1,3,5(10)-triene-3,16\(\text{B}\)-diol.
14\beta-estra-1,3,5(10)-triene-3,16\alpha-diol,
14β-estra-1,3,5(10) triene-3,16β-diol,
11\beta-methylestra-1,3,5(10)-triene-3,16\alpha-diol,
11\beta-methylestra-1,3,5(10)-triene-3,16\beta-diol,
11\beta-methyl-18a-homoestra-1,3,5(10)-triene-3,16\alpha-diol,
11\beta-methyl-18a-homoestra-1,3,5(10)-triene-3,16\beta-diol,
11\beta-ethylestra-1,3,5(10)-triene-3,16\alpha-diol,
11β-ethylestra-1,3,5(10)-triene-3,16β-diol,
11\beta-ethyl-18a-homoestra-1,3,5(10)-triene-3,16\alpha-diol,
11\beta-ethyl-18a-homoestra-1,3,5(10)-triene-3,16\beta-diol,
11\beta-vinylestra-1,3,5(10) triene-3,16\alpha-diol,
11\beta-vinylestra 1,3,5(10) triene 3,16\beta-diol,
11\beta-vinyl-18a-homoestra-1,3,5(10)-triene-3,16\alpha-diol,
11β-vinyl-18a-homoestra-1,3,5(10) triene-3,16β-diol,
11\beta-ethinylestra-1,3,5(10) triene-3,16\alpha-diol,
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 11β -ethinylestra-1,3,5(10)-triene-3,16 β -diol, 11β-ethinyl 18a-homoestra 1,3,5(10)-triene-3,16α-diol, 11β-ethinyl-18a-homoestra-1,3,5(10)-triene-3,16β-diol, 9α -methylestra-1,3,5(10)-triene-3,16 α -diol, or 9α -methylestra-1,3,5(10)-triene-3,16 β -diol, 9α -methyl-18a-homoestra-1,3,5(10)-triene-3,16 α -diol₂-9α-methyl-18a-homoestra-1,3,5(10)-triene-3,16β-diol, 7α -methyl-18a-homoestra-1,3,5(10)-triene-3,16 α -diol, 7α -methyl-18a-homoestra-1,3,5(10)-triene-3,16 β -diol, 7α -ethyl-18a-homoestra-1,3,5(10)-triene-3,16 α -diol, 7α -ethyl-18a-homoestra-1,3,5(10)-triene-3,16 β -diol, 7α , 11 β -dimethylestra-1,3,5(10)-triene-3,16 α -diol, $7\alpha,11\beta$ -dimethylestra-1,3,5(10)-triene-3,16 β -diol, 7α,11β-dimethyl-18a-homoestra-1,3,5(10)-triene-3,16α-diol, or 7α,11β-dimethyl-18a-homoestra-1,3,5(10)-triene-3,16α-diol, 16β-ethinyl-18a-homoestra-1,3,5(10)-triene-3,16α-diol, 16α-ethinyl-18a-homoestra-1,3,5(10)-triene-3,16β-diol, 7α -methyl-16 β -ethinylestra-1,3,5(10)-triene-3,16 α -diol, 7α -methyl- 16α -ethinylestra-1,3,5(10)-triene- $3,16\beta$ -diol, 7α -methyl-16β-ethinyl-18a-homoestra-1,3,5(10)-triene-3,16α-diol, 7α-methyl-16α-ethinyl-18a-homoestra-1,3,5(10)-triene-3,16β-diol, 11 β methyl-16 β ethinylestra-1,3,5(10) triene-3,16 α -diol, 11β-methyl-16α-ethinylestra-1,3,5(10)-triene-3,16β-diol,

11β methyl 16β ethinyl 18a homoestra 1,3,5(10) triene 3,16α diol, or 11β methyl 16α ethinyl 18a homoestra 1,3,5(10) triene 3,16β diol.

64. (Previously presented) A compound according to claim 63, which compound is:

 7α -fluoro-estra-1,3,5(10)-triene-3,16 α -diol, 7α -methyl-estra-1,3,5(10)-triene-3,16 α -diol, 7α -methyl-estra-1,3,5(10)-triene-3,16 β -diol, or 18α -homo-estra-1,3,5(10)-triene-3,16 α -diol.

65. (Previously presented) A pharmaceutical composition containing at least one compound according to claim 53 and a pharmaceutically compatible vehicle.